

ABSTRACT OF THE DISCLOSURE

--A code generation unit (400) generates an identification code (Cd) inherent in a semiconductor substrate (CH1 or CH3). A memory (601) formed in another semiconductor substrate (CH2) stores the identification code (Cd) as a memory code (Ce). The identification code (Cd) is written from the code generation unit (400) to the memory (601) before shipment of a semiconductor device (600) as a product. A comparator circuit (403) compares the identification code (Cd) with the memory code (Ce) and stops some of operations of a predetermined circuit (405) when the two codes do not coincide with each other. With this construction, a higher technical barrier (security) against fraudulent use of an appliance of the semiconductor device through replacement of the semiconductor substrate can be achieved.

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5 semiconductor substrate (CH2) stores the identification code (Cd) as a memory code (Co). The identification code (Cd) is written from the code generation unit (400) to the memory (601) before shipment of a semiconductor device (600) as a product. A comparator circuit (403) compares the identification code (Cd) with the memory code (Co) and stops
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